APPENDIX A
PENDING CLAIMS

1-52. (Canceled)

53. (Previously presented) A method for treating an asthmatic disorder, comprising: administering to an individual in need of treatment an 8F4 inhibitory molecule, wherein said 8F4 inhibitory molecule is a monoclonal antibody that recognizes a human 8F4 polypeptide, wherein said 8F4 polypeptide:

a) is an inducible T cell costimulatory molecule;

b) occurs on two-signal-activated human $CD4^+$ T lymphocytes from human peripheral blood;

c) exhibits a molecular weight of about 55 to 60 kilodaltons as determined by non-reducing sodium dodecyl sulphate polyacrylamide gel electrophoresis (SDS-PAGE); and

d) is a dimer of two peptide chains exhibiting molecular weights of about 27 kilodaltons and 29 kilodaltons, as measured by reducing SDS-PAGE,

wherein the human 8F4 polypeptide is recognized by the antibody produced by the hybridoma deposited with the Deutsche Sammlung von Mikroorganismen und Zellkulturen GmbH ("DSMZ") and assigned accession no. DSM ACC2539;

and wherein the monoclonal antibody, in conjunction with anti-CD3 monoclonal antibody OKT3, costimulates proliferation of human T lymphocytes;

in an amount sufficient to ameliorate a symptom of the asthmatic disorder, such that the asthmatic disorder is treated.

54. (Canceled)

55. (Previously presented) The method of Claim 53, wherein the monoclonal antibody recognizes the human 8F4 polypeptide of about 55 kilodaltons to 60 kilodaltons, as determined by non-reducing SDS-PAGE.

56. (Previously presented) The method of Claim 53, wherein the monoclonal antibody recognizes the peptide chain of about 27 kilodaltons, as determined by reducing SDS-PAGE.

57. (Previously presented) The method of Claim 53, wherein the monoclonal antibody recognizes the peptide chain of about 29 kilodaltons, as determined by reducing SDS-PAGE.

58. (Previously presented) The method of Claim 53, wherein the monoclonal antibody recognizes a human 8F4 polypeptide present on activated human $CD4^+$ T lymphocytes and activated human $CD8^+$ T lymphocytes.

59. (Canceled)